



Novel Approaches to the Diagnosis and Treatment of Posttraumatic Stress Disorder

Volume 6 NATO Security through Science Series:
Human and Societal Dynamics

Edited by: M.J. Roy

March 2006, approx. 344 pp., hardcover

ISBN: 1-58603-590-8

Price: US\$126 / €105 / £74

Posttraumatic stress disorder (PTSD) is a common and disabling condition that often goes undiagnosed for years, and even when the diagnosis is made, treatment is frequently ineffective, especially for combat veterans. Cognitive behavioural therapy with imaginal exposure is considered first-line treatment, but many can not or will not engage in imaginal exposure, which is not surprising, since avoidance of reminders of the trauma is a defining feature of PTSD. Novel technologies offer an alternative to facilitate exposure therapy, through virtual reality (VR). This book outlines state of the art approaches to improving the diagnosis and treatment of PTSD, with a particular emphasis on the promise and pitfalls associated with VR exposure therapy. The world's leading experts in this cutting edge field describe their VR work in phobias and other mental disorders, and chart a course for future studies to improve the diagnosis and treatment of PTSD.

Contents: First three sections

- Novel Approaches to the Diagnosis and Treatment of Posttraumatic Stress Disorder / *M.J. Roy*

Section I. Epidemiology and Pathophysiology of PTSD

- Biological Markers in Croatian War Veterans with Combat Related Posttraumatic Stress Disorder / *N. Pivac, D. Kozariæ-Kovaèiæ and D. Mück-Šeler*
- Theta Synchronisation of Hippocampal and Long Distance Circuitry in the Brain: Implications for EEG-Neurofeedback and Hypnosis in the Treatment of PTSD / *J. Gruzelier*
- Limbic Circuitry and Posttraumatic Stress Disorder / *I. Kostoviai and M. Judaš*
- Investigating Cognitive Abnormalities in Posttraumatic Stress Disorder / *E. Geraerts and T. Brennen*
- Psychotic Features of Combat Related Chronic Posttraumatic Stress Disorder and Antipsychotic Treatment / *D. Kozariæ-Kovaèiæ and N. Pivac*

Section II. Diagnosis and Screening

- Efforts to Improve the Diagnosis and Treatment of Posttraumatic Stress Disorder / *M.J. Roy and P.L. Kraus*
- Assessment of Available Diagnostic Instruments for Posttraumatic Stress Disorder / *L. Jehel and K. Dullea*
- Psychological Screening Validation with Soldiers Returning from Combat / *P.D. Bliese, K.M. Wright, A.B. Adler and J.L. Thomas*
- Psychophysiological Responses to Trauma-Related Stimuli in PTSD: Potential for Scenario Adaptation in VR Exposure Therapy / *T. Jovanoviai, S. Popoviai and D. Kozariæ-Kovaèiæ*

Section III. Management of Posttraumatic Stress Disorder

- Pharmacotherapy Research in Posttraumatic Stress Disorder / *N. Henigsberg*
- Canadian Forces Approach to the Identification and Management of Operational Stress Injuries / *C.R. Boddam*
- "Stress and Psychological Support in Modern Military Operations" NATO Human Factors and Medicine HFM081 Research Task Group RTG020 History, Status, Objectives and Achievements to Date / *J.G.H. Hacker Hughes, A. Adler, V. Tichy and Y. Cuvelier*

-ORDER ONLINE AT WWW.IOSPRESS.NL OR FILL IN THIS FORM-
Select the title of your choice and click on *order online*.

Order form:

IOS Press

Nieuwe Hemweg 6B
1013 BG Amsterdam
The Netherlands
Tel.: +31 20 688 3355
Fax: +31 20 687 0039
E-mail: market@iospress.nl
URL: www.iospress.nl

Gazelle Book Services Ltd

White Cross Mills
Hightown
Lancaster LA1 4XS
United Kingdom
Tel.: +44 1524 68765
Fax: +44 1524 63232
E-mail: sales@gazellebooks.co.uk
URL: www.gazellebooks.co.uk

IOS Press, Inc.

4502 Rachael Manor Drive
Fairfax, VA 22032, USA
Tel.: +1 703 323 5600
Fax: +1 703 323 3668
E-mail: sales@iospress.com

If you would like to order one or more copies of the above, please fill in this order form and send it back to:

IOS Press, Promotion Department, Nieuwe Hemweg 6B, 1013 BG, Amsterdam, The Netherlands.

☐ I would like to order copies of ***Novel Approaches to the Diagnosis and Treatment of Posttraumatic Stress Disorder*** (US\$126 / €105 / £74)

☐ Please bill me

☐ Please charge my credit card

☐ Amer. Express

☐ Euro/Master

☐ Visa

Exp. Date

Security code

Card no.

Name:

Address:

City/Zipcode:

Fax:

Signature:

Country:

E-mail:

Date:

Vat no.:

Visit our website for more information or online ordering:
www.iospress.nl